

ABSTRACTSQL JOIN ELIMINATION

5       A method of preventing execution of unnecessary joins  
between tables in a database is described.

      A Structured Query Language (SQL) statement is  
presented to the database. The SQL statement has a scope  
that extends to a set of tables in the database and returns  
10   a set of results from the database.

      A list of tables that are within the scope of the SQL  
statement but that are not referred to by the SQL statement  
is prepared.

      Tables that must be accessed in order to return the  
15   set of results are removed from the list in accordance with  
a predetermined set of rules. The execution of joins  
involving any of the tables remaining in the list is  
prevented.

20   (Figure 2)